Times

Tetra Tech Allegations Catalog Draft V1 2017-8-14

			Information			Source (most public)		Source Public			Comm	ents		Need to know										
Tracking	Type of	Type of			•	•								EPA			EPA	-						
number	Fraud	info	Summary	Details	Citation	Source (most publi	c) 201	7-7 NR(201	6 NRC I 2014	4 Tetra Publ	ic - Other	Navy	У	technica	ıl TechLa	w Leidos	Mgmt	Not	public No	t public N	ot public S	ealed 201	Sealed 201	Sealed unspecific
								11	12	13	14		1	L	2	3	4	5	21	22	15	31	32	33
			Scans were supposed to be used to pick soil sample locations,	less likely to be																				
			but in late 2008 began sampling 5-10 ft away where scans	found using K-40																				
1	_	11	1 showed low levels	comparisons	Main text	ţ.	11	1																
			Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil																					
7	,	21	1 sample and chain of custody record and marked location clean		Main text,	ţ	11	1																
			2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith																					
10)	22	1 was told to get rid of sample and chain of custody		Main text,		11	1																
			2009 fencing found to be contaminated but staff told to hide																					
13	3	23	1 result and delete data in "Access" computer system		Main text,		11	1																
			summer 2010 - early 2011 Class 2 and Class 3 scans in buildings																					
			and smears "just set your meter down on the ground and let it																					
15	;	30	1 count.		Main text	ŗ	11	1																
			Early to July 2006 Conveyor belt scanning excavated fill ran too																					
			fast and silenced sensor alarms so would not have caught																					
20)	51	1 contamination in tens of thousands of CY soil		Main text	ķ	11	1																
			2011 trucks with soil from RSY pads frequently failing portal																					
28	3	60	1 monitor screening. Later the sensitivity was reduced	All 37 truckloads fai	l Main text,		11	1																

Tetra Tech Allegations - Enforcement Confidential V1 includes NRC Petition main text Read Me - explanation of rest of the sheets

Key:

Type of fraud

- 10 Fake soil sampling
- 11 Fraudulent sampling Stage 1 collected nearby
- 12 Fraudulent sampling Stage 2 collected from far away
- 20 Destruction of "hot" soil samples and their records
- 21 Bldg 351A
- 22 Fisher & Spear Streets
- 23 Radioactive fencing
- 30 Fraudulent Building Surveys
- 40 Fradulent data reporting
- 50 Offsite disposal and backfill
- 51 Conveyor belt too fast
- 52 RSY pads
- 53 Unqualified personnel
- 60 Portal Monitor
- 70 Radiologically Controlled Areas (RCA's) unsecured or other individual incidents
- 99 Type unspecified

Type of info

- 1 Patterns and practice
- 2 Locations
- 3 Names of persons associated with falsification
- 4 Timing and frequency

Colors

highlight - need to discuss further need to go back and fill in later

Source (chronological order) Public

- 11 2017 Jun NRC Petition
- 12 2014 Tetra Tech Internal report anomolous soil samples
- 13 2016 Feb NRC Enforcement Action
- 14 Public other

Not Public

- 21 2016 Sep David Anton statement to NRC
- 22 2017 Mar David Anton call and email to Lily Lee and Brianna Fairbanks
- 23 Not public other

Under Seal

- 41 2014 June NRC investigation transcripts
- 42 2016 June Qui Tam transcripts43 Sealed unspecified/other

Need to Know

- 1 Navy Pat Brooks, Matt Slack, Zach Edwards, Thomas Machiarella
- 2 EPA Technical team Lyndsey Nguyen, David Kappelman, John Chesnutt
- 3 EPA Consultants Techlaw Karla Brasaemle, Jana Dawson
- 4 EPA consultants Leidos Donna Getty, Anita Singh
- 5 EPA Management Enrique Manzanilla, Angeles Herrera

Tetra Tech Allegations Catalog Draft V1 2017-8-14 Information Citation (most Source Public Comments Tracki ng Type Type numb of of Highli Statist er Fraud info ghts icians Summary Source 2017-72016 N 2014 T Public - Other 11 12 13 14 less likely to be Scans were supposed to be used to pick soil sample locations, found using Kbut in late 2008 began sampling 5-10 ft away where scans 40 comparisons Main text p. 1 11 1 showed low levels 1 11 1 1 Took false samples from far away: 1) sewer trench in front of 500 series bldgs, 2) former theatre building, 3) near Bldg 521 2 12 1 Matched faked Main text, pp. 11 1 under two palm trees Smith said trench confirmation soil substitution happened "pretty much every day" over at least the last 1.5 yrs he worked 3 12 4 1 there. Total 800-1,000 false samples Main text p. 1 11 1 Samples switched at Bldg 517, Bldg 707 Triangle Area in Parcel E, Former 500 series Bldgs in Parcel D, North Pier, Shacks 79 and 4 12 2 Main text, p. 1 11 1 80, Parcel C fraudulent practices escalated after contract changed from time-5 12 4 and-materials to firm fixed-price Main Text, p.: 11 1 Fraudulent trench soil confirmation sampling was associated with Anthony Smith, Steve Rolfe, Tina Rolfe, Rick Zahensky, 6 12 3 Justin Hubbard, Main text, pp. 11 1 Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil 7 21 1 sample and chain of custody record and marked location clean Main text,pp. 11 1 Bldg 351A disappeared sample Anthony Smith, Josh Hooper, Bill 8 21 3 Dougherty, Dennis McWade Main text,pp. 11 1 Parcel G, Bldg 351A in 2008 "got rid of" contaminated soil 9 21 2 Main text,pp. 11 1 2009 Fisher Ave & Spear 2-3 pCi/g Cs-137 6 inches deep Smith 10 22 1 was told to get rid of sample and chain of custody Main text, pp. 11 1 11 22 2 Location Fisher & Spear ave. behind wall uphill 6 inches deep Main text, pp. 11 1 Disappearing samples Anthony Smith, Jeff Rolfe, Ray Roberson 12 22 3 Main text, pp. 11 1 2009 fencing found to be contaminated but staff told to hide 13 23 1 result and delete data in "Access" computer system Main text, p.1 11 1 Radioactive fencing Susan Andrews, Dennis McWade, Phil 14 23 3 Main text, p.1 11 1 Poole, Bob Evans, Charles Taylor, Rhonda Richardson, summer 2010 - early 2011 Class 2 and Class 3 scans in buildings and smears "just set your meter down on the ground and let it 15 30 1 1 Main text p. 1 11 1 summer 2010 - early 2011 Fraudulent building scans for nearly all buildings in Hunters Point. Specifically Building, 707, buildings and building footprints throughout the 500 series and buildings 351, 351A, 411,401,414,406, 144,146,130, 103, 113, 16 30 2 1 521, 103, 114, 145, 130, 439, 366, 813 Main text p. 1 11 1 Building Scans Anthony Smith, Steve Rolfe, Jeff Rolfe, Rick 17 30 3 Main text p. 1 11 1 Zahensky, Bill Dougherty, Justin Hubbard When downloading data from Ludlum 2350 changed numbers. Also for Ludlum 2360 (alpha and beta). Zahensky took a computer home to change scan results overnight. Results were 18 40 1 delivered a day late. Main text pp. 11 1 What were the results for? Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Hustin Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil 19 40 3 1 Berrett, Phil Smith Main text pp. 11 1 What were the results for? Early to July 2006 Conveyor belt scanning excavated fill ran too fast and silenced sensor alarms so would not have caught 20 51 1 1 contamination in tens of thousands of CY soil Main text pp. 11 1 21 51 2 1 Conveyor belt too fast for Parcel E IR-02 and PCB removal area Main text pp. 11 1 Conveyor Belt Bert Bowers, Ulrika Messer, Neil Hart, Joe Levell, 22 51 3 Mike Wilson, Gary Wilson, Jane Taylor Main text pp. 11 1 Orders were given to take samples "from anywhere" instead of 23 52 1 1 from the proper Radiation Screening Yard (RSY) samples Main text p. 2 11 1 Unqualified workers who did not understand health risks of exposures could have been exposed, swung detectors too high 24 53 1 and too fast Main text pp. 11 1 Radiation Screening Yards Jane Taylor, Arthur Jahr, Samantha 25 52 3 Taylor, Kari Guidry, Thorpe Miller, Bryan White Main text, pp. 11 1 Parcel UC-3 Work Area #16, units 190 and 197 had 1,023 CY soil removed. 10 CY of soil were remediated as containing 26 52 2 Main text, p. 2 11 1 radioactive and chemical contamination. RSY samples collected in locations that intentionally avoided the high radioactivity locations and were allowed to be reused 27 52 1 1 as backfill. Main text, p. 2 11 1 2011 trucks with soil from RSY pads frequently failing portal monitor screening. In September, 2011, the sensitivity was 28 60 1 1 reduced by 2/3 and discontinued hand-scanning. All 37 truckload: Main text, pp. 11 1 After contract changes nore frequent discrepences, going from one incident per 6 weeks to every 2 weeks to more than once a 29 99 4 Exhibit A (Bow 11 1 Conveyor belt Bill van Vo, Jack Schelebo, Emitt Brown, Dan 30 51 3 Exhibit A (Bow 11 1 July 2006 discovery of false conveyor belt scanning. August 2006 Neil Hart oversaw response to disclosure. Gary Wilson 31 51 4 disciplined Aug 2006. Exhibit A (Bow 11 1 2009 Jane Taylor assigned to oversee all RSY activities, Thorpe 32 52 4 Exhibit A (Bow 11 1 33 60 4 Trucks failing portal monitor 2010 - 2011 Exhibit A (Bow 11 1 Less expensive for Tetra Tech to have the soil falsely cleared for use as backfill than to have the soil repeatedly subjected to remediation of rad contam and time and cost of separating non emplacted soil from what needed to be shipped to LLRW 34 60 1 Exhibit A (Bow 11 1 Backfill material had been cleared by Jane Taylor and Thorpe Miller, but a Shaw contractor discovered a radiological object (button) in it with millirem/hour levels so high they were 35 52 1 1 inappropriate for the Ludlum detector used Exhibit A (Bow 11 1 April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had 36 60 1 1 alarmed. McWade told staff to stop surveying the truck. Exhibit A (Bow 11 1 April 2009, Adam Berry discovered Dennis McWade allowed truck to exit the base even though the Portal Monitor had 36 60 4 Exhibit A (Bow 11 1 alarmed. McWade told staff to stop surveying the truck. Portal Monitor failing - Adam Berry, Dennis McWade, Bert 37 60 3 Exhibit A (Bow 11 1 Bowers Neil Berrett and Phil Smith (lab) told Bert Bowers that project upper management had asked them to "write away" laboratory analysis by changing the results. 38 40 1 1 Exhibit A (Bow 11 1 Radiological Control Areas (RCA's) not controlled per requirements - patterns & practices employees doing work in areas w/rad contamination without notifying Rad Safety Officer, locks not secured, boundaries repositioned, drinking fountains 39 70 1 11 1 inside RCAs 40 70 2 1 Locations - RCA's not controlled - specific dates and location Building 217 no Exhibit A (Bow 11 1 Dates - RCA's not controlled - specific dates and location Building 217 no Exhibit A (Bow 11 1 41 70 4 Chain of custody forms claimed soil samples were taken every 5 42 40 1 minutes, even though that is impossible. Exhibit A (Bow 11 1 43 30 1 Exhibit B (Smit 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1 11 1

11 1

| Mark State | Section | S

Highlights from NRC Petition

Scans were supposed to be used to pick soil sample locations, but in late 2008 began sampling 5-10 ft away where scans showed low levels

Smith said trench confirmation soil substitution happened "pretty much every day" over at least the last 1.5 yrs he worked there. Total 800-1,000 false samples

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Data tampering Tina Rolfe, Ray Roberson, Joe Cunningham, Hustin Hubbard, Rick Zahensky, Steve Rolfe, Bert Bowers, Neil Berrett, Phil Smith

Early to July 2006 Conveyor belt scanning excavated fill ran too fast and silenced sensor alarms so would not have caught contamination in tens of thousands of CY soil

Orders were given to take samples "from anywhere" instead of from the proper Radiation Screening Yard (RSY) samples

RSY samples collected in locations that intentionally avoided the high radioactivity locations and were allowed to be reused as backfill.

2011 trucks with soil from RSY pads frequently failing portal monitor screening. In September, 2011, the sensitivity was reduced by 2/3 and discontinued hand-scanning.

After contract changes nore frequent discrepences, going from one incident per 6 weeks to every 2 weeks to more than once a week.

Backfill material had been cleared by Jane Taylor and Thorpe Miller, but a Shaw contractor discovered a radiological object (button) in it with millirem/hour levels so high they were inappropriate for the Ludlum detector used

Neil Berrett and Phil Smith (lab) told Bert Bowers that project upper management had asked them to "write away" laboratory analysis by changing the results.

Locations

Tracking Type of Type of

number Fraud info Summary Details Citation Source (mc 2017-7 NR 2016 NRC E 2014 Tetra Public - Other

Names

Potentially associated with falsified samples

Tracking Type of Type of

number Fraud info Summary Details Citation Source (mc 2017-7 NR 2016 NRC E 2014 Tetra Public - Other

Questions